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3 - Bedroom FARMHOUSE

COOPERATIVE
FARM BUILDING
Plan No. 7164
(6-SHEETS)

PLAN EXCHANGE

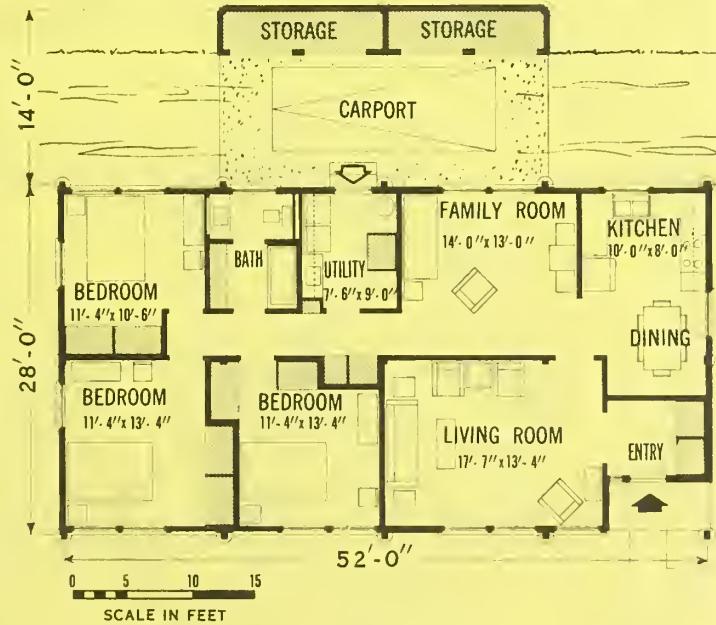
... pole
and panel
construction



New concepts of construction and design have been tested and proved by architects and engineers at the University of Illinois. These researchers developed plan 7164 for a 3-bedroom farmhouse while working on a project to utilize native oak in house construction. Flexibility in fitting the panels to the pressure-treated squared posts that serve as both structural frame and foundation permits the use of rough-sawn timbers that need not be accurately sized.

Vaulted (cathedral) interior ceilings emphasize the rugged strength of the native oak beams that support the builtup roof. Vertical board-and-batten siding of creosoted rough-sawn oak makes effective use of readily available lumber.

The basic simplicity of the excellent floor plan is shown at the right.

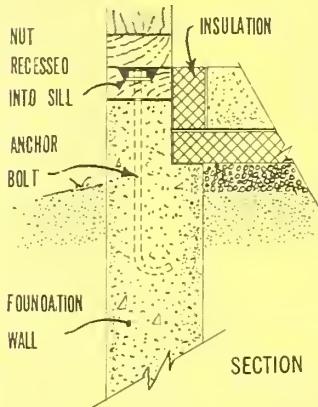


HOUSE AREAS:	Sq. ft.
Living	1,400
Porch	40
Carport	370

FIRST BUILD A ROOF

Construction of this house is easier if the roof is built first to provide protection from the weather. Set fifteen 6 x 8 pressure-treated posts; then bolt the roof beams to them. Install the rough oak deck and buildup roof on the 2 x 6 purlins to shelter the excavation for the concrete skirt wall and the grading for the slab floor.

THEN CAST THE FLOOR

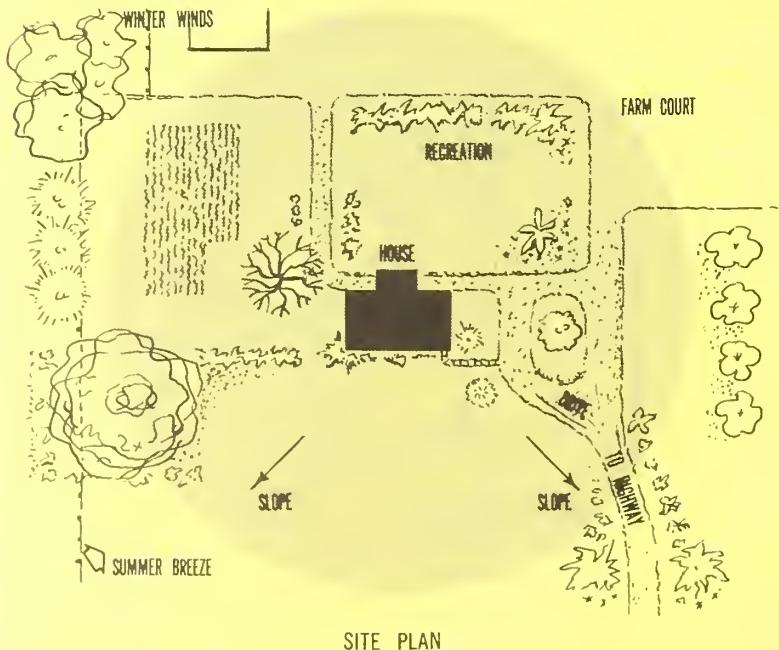


Perimeter insulation of semi-rigid material such as polystyrene or foamed glass set into the concrete skirt wall rests against a 2 x 4 sill of treated wood bolted to the skirt wall. The sill serves as a screeding rail for leveling the floor line of the slab. Be sure to have the required plumbing and heating roughed in if it is to be contained in or beneath the slab.

BUILD AND PLACE THE EXTERIOR

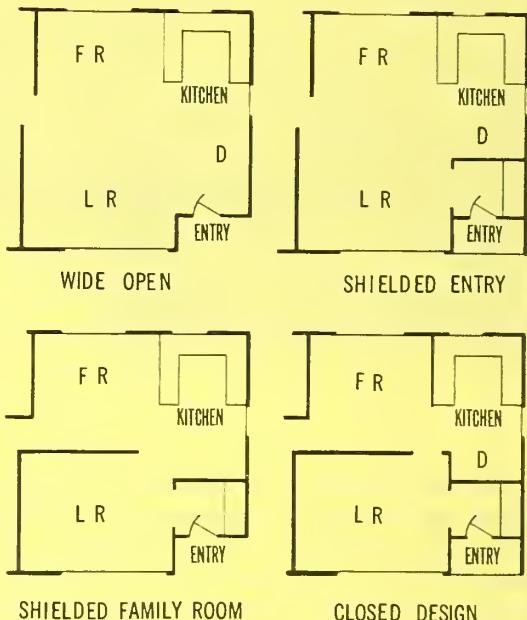
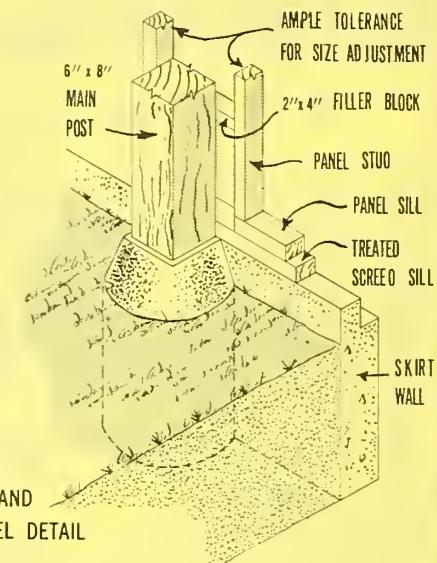
The floor with protecting roof may be used as a working area for constructing the 38 exterior wall panels.

The panels are made with ample tolerance; finishing will take up irregularities that result from use of rough framing and siding materials.



Developed by—

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FIT INTERIOR PARTITIONS

Interior partitions may be conventional, or they may be designed as storage walls between the bedrooms. The right end of the house may be as "open" as desired.

Complete working drawings may be obtained through your county agricultural agent or from the Extension agricultural engineer at most State agricultural colleges. There is usually a small charge.

ORDER PLAN NO. 7164, 3-BEDROOM FARMHOUSE
If the working drawings are not available in your State, write to the U.S. Department of Agriculture, Agricultural Engineering Research Division, Plant Industry Station, Beltsville, Md. The U.S. Department of Agriculture does not distribute drawings, but will forward your request to a State that does distribute them.



